

## 中国紫草科新分类群

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### NEW TAXA OF BORAGINACEAE FROM CHINA

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**Key words** *Ehretia pingbianensis*, *Heliotropium xinjiangense*, *Onosma lijiangense*

**关键词** 屏边厚壳树; 新疆天芥菜; 丽江滇紫草

**屏边厚壳树 新种 图版 1:1**

*Ehretia pingbianensis* Y. L. Liu, sp. nov.

Affinis *E. longiflorae* Champ. sed petiolis inflorescentiis calycibus et corollis dense ferrugineo-puberulis, lobis corollae oblongis differt.

Arbor 10 m alta. Folia ellipsoidea ovato-rotunda vel oblongo-ovata, 7—10 cm longa, 4—6 cm lata, apice obtusa vel acuta, basi rotunda vel late cuneata, utraque pagina dense ferrugineo-puberula interdum glabra vel in margine venisque pubescentia, petiolis 1—2.5 cm longis, ferrugineo-puberulis. Cymae compositae, axillares, 3—6 cm diam., dense ferrugineo-puberulae; calyx campanulatus 2.5—3.5 mm longus, extus dense ferrugineo-puberulus intus glaber, lobis lanceolatis vel triangulato-lanceolatis rarius oblongis 1.5—2 mm longis; corolla alba tubuloso-campanulata 10—11 mm longa, basi 1.5 mm diam., fauce 4—5 mm diam., extus dense ferrugineo-puberula intus glabra, lobis oblongis 2—3.5 mm longis recurvis; stamina exserta, antheris oblongis 1—1.5 mm longis, filamentis 6—7 mm longis; stylus 9—11 mm longus, exsertus bifidus, lobis circ. 1.5 mm longis. Drupae ignotae.

Yunnan (云南): Pingbian (屏边), alt. 840 m Aug. 1954, P.I. Mao (毛品一) 03955 (Holotypus, KUN); Jinghong (景洪), M. G. Li (李鸣岗) 3162.

本种与长花厚壳树 *E. longiflora* Champ. 相似, 但叶柄、花序、花萼及花冠被稠密的锈色短柔毛; 花冠裂片长圆形, 而后的叶柄及花冠无毛; 花萼仅具缘毛, 花序通常无毛或稀具疏柔毛; 花冠裂片卵形, 易区别。

**新疆天芥菜 新种 图版 1:2**

*Heliotropium xinjiangense* Y. L. Liu sp. nov.

Affinis *H. arguzioides* Kar. et Kir., sed stigmatibus breviter conico, stylo 2-plo brevior differt.

Herba perennis fruticosa 25—30 cm alta. Caules erecti vel ascendentes basi rami-

ficati dense pubescentes. Folia griseo-viridia, oblongo-elliptica, oblonga vel ovata, 1—2 cm longa, 0.5—1 cm lata, apice obtusa vel acuta, basi rotunda vel late cuneata, margine leviter recurva, supra scabra dense hispidulaque, subtus pubescentia, nervis lateralibus 2—3-jugis, distinctis, petiolis brevibus 3—5 mm longis pubescentibus. Cymae terminales et axillares, furcatae 1—2.5 cm diam., pubescentes, sine bracteis pedicellisque; calyx 1.5—2 mm longus, extus dense griseo-pubescentis, intus glaber, vix ad basin partitus, lobis anguste ovatis vel oblongis; corolla alba tubulosa 2—3.5 mm longa, basi circ. 2 mm diam., fauce 2.5—3 mm diam., extus dense pubescens, intus glabra, lobis parvis orbiculatis margine undulatis; antherae ovoideae 0.5 mm longae, supra medium tubi corollae insertae; ovarium ellipticum 4-partitum glabrum; stylus 1 mm longus, glaber, stigmatem conicum glabrum 0.5 mm longo stylo 2-plo brevior. Drupa elliptico-globosa maturitate in 4 drupeolas dehiscens, drupeolis ovatis 2—3 mm longis, dense longe sericeo-pubescentibus.

Xinjiang (新疆): Huocheng, (霍城), Aug. 1977, Yang Chang-you (杨昌友) 228 (Holotypus in Herb. Xinjiang August-1 Agricultura College conserv.)

本种与 *H. arguzioides* Kar. et Kir. 相似,但柱头短圆锥形,较花柱短 1/2,而后者柱头长圆锥形,长约为花柱 2 倍,易区别。

### 丽江滇紫草 新种 图版 1:3

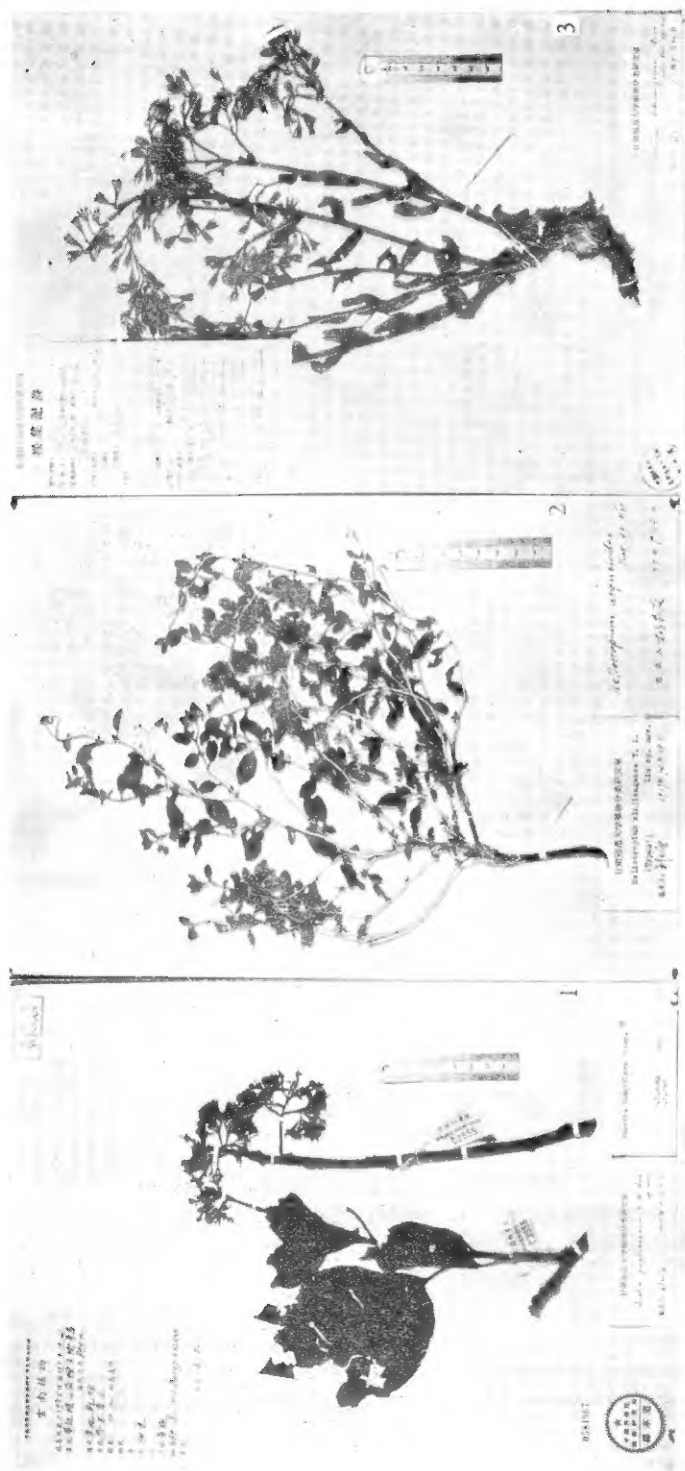
*Onosma lijiangense* Y. L. Liu sp. nov.

Affinis *O. paniculato* Bur. et Franch., sed planta viride; caulibus pluries fasciculatis ex basi ramosis, vulgo ligniscentibus; foliis superioribus lanceolatis basi late cuneiformibus vel subrotundis, haud amplexicaulibus differt.

Herba perennis circ. 30 cm alta. Caules plurimique fasciculati, erecti vel ascendentes, basi ramificati sparse hispidi et retrorse strigosi. Folia lanceolata 2.5—4 cm longa, 5—8 mm lata, apice obtusa, basi cuneiformia vel subrotunda, supra viridia dense hispida et strigulosa. Inflorescentia e cymis terminalibus axillaribusque paniculatim composita; calyx 7—9 mm longus, lobis lineari-lanceolatis; corolla rubra tubuloso-campanulata, 12—14 mm longa, basi 1.5—2 mm diam., sursum paulatim ampliata, fauce circ. 5 mm diam., extus supra medium dense strigulosa, intus ad costam loborum puberula, lobis triangularibus 1.5 mm longis, circ. 2 mm latis, margine revolutis; antherae circ. 7 mm longae, utrinque inter se in tubum conjunctae, filamentis subulatis 4—4.5 mm longis, sparse strigulosis, tubo corollae 4 mm supra basin insertis; stylus 15 mm longus, strigosus; nectaria circ. 0.5 mm alta, pilosa. Nuculae ignotae.

Yunnan (云南): Lijiang (丽江), alt. 2700 m, Aug. 1959, K. M. Feng (冯国楣) 22665 (Holotypus. KUN)

本种与滇紫草 *O. paniculatum* Bur. et Franch. 相似,但植株绿色;茎常簇生,由基部分枝,通常木质化;茎上部叶披针形,基部宽楔形或近圆形,不抱茎,而后者植株灰色,干后变黑;茎草质,单一,不分枝;茎上部叶通常卵状披针形或卵状三角形,基部戟形,抱茎,易区别。



1. 屏边厚壳树

*Elrebia pingbianensis* Y. L. Liu.

2. 新疆天芥菜

*Heliotropium xinjiangense* Y. L. Liu.

3. 丽江滇紫草

*Onosma lijiangense* Y. L. Liu.